



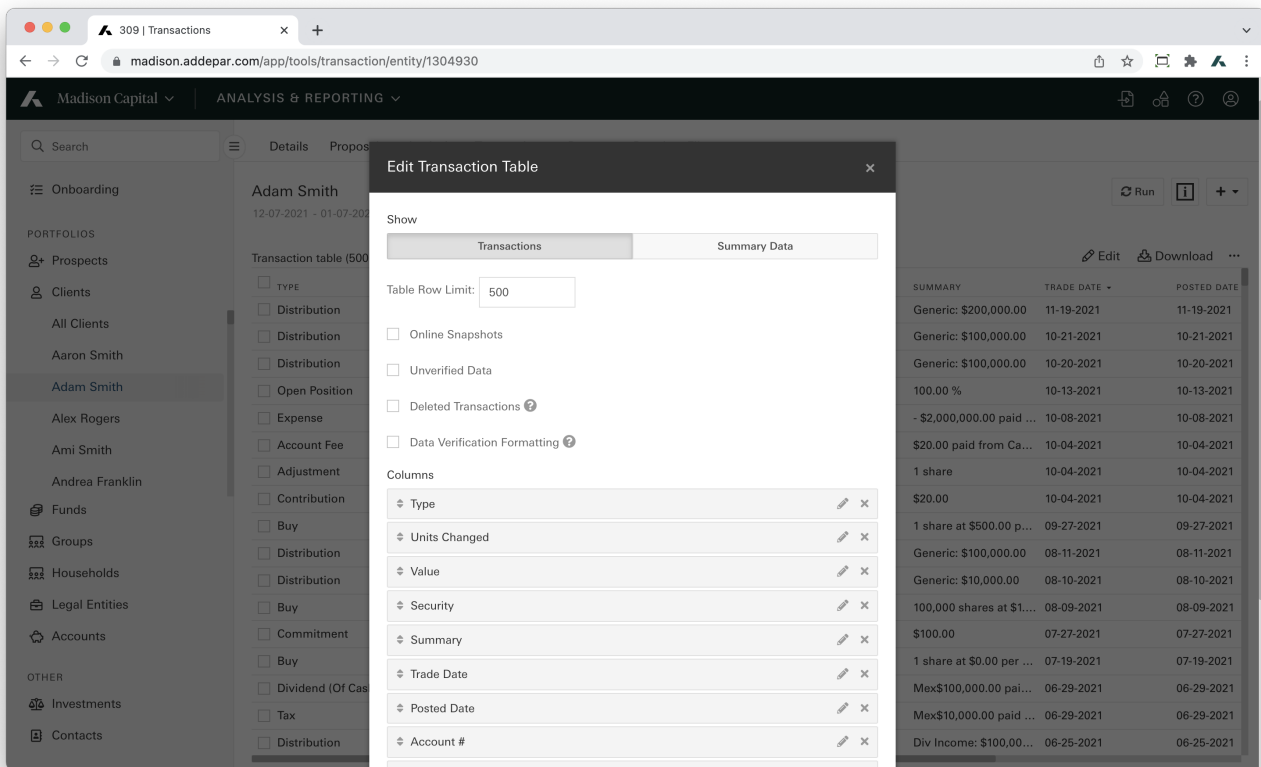
# Query (Beta)

The Transactions Query API allows clients to query for transactions based on dates and attributes, providing a way for partners and clients to get transaction data back into their data warehouses.

## Beta Feature

The base route `/v1/transactions/query` and all corresponding endpoints described herein are in the Addepar Beta Program. All beta features described herein are provided “as is” and “as available” with no warranty or guarantee of functionality and may be modified or removed at any time by Addepar.

Please send feedback or questions to your Addepar contact.



Base Route `/v1/transactions/query`

Endpoints **POST**  
`/v1/transactions/query`

Produces JSON

Pagination No

Application Permissions Required "API Access: Create, edit, and delete"

Required "Transaction firm view: View only" and "Transactions: View-only" to extract view data.

OAuth Scopes `TRANSACTIONS` OR `TRANSACTIONS_WRITE`

## Resource Overview

The resource object will return attributes specified by columns in successful **POST** requests for the Transactions Query API. A meta-object will also be returned in the response detailing the columns used in the query.

## Parameters

### Required Parameters:

PARAMETER	DESCRIPTION	EXAMPLE
column	List of column attribute keys. [String].	<code>["trade_date", "security"]</code>
start_date	The start date of the time period of transaction data. String.  "YYYY-MM-DD"	<code>"2021-09-05"</code>
end_date	The end date of the time period of transaction data. String.  "YYYY-MM-DD"	<code>"2021-09-06"</code>
portfolio_type	The type of portfolio. String.  Supported Values: <ul style="list-style-type: none"><li>- FIRM</li><li>- GROUP</li><li>- ENTITY</li></ul>	<code>"entity"</code>
portfolio_id or external_ids See below.	The ID of a portfolio configured in Addepar. Number or [Number].  A portfolio can be either an entity (i.e. a client, account, legal entity etc.) or a group of entities.  If the portfolio_type is FIRM , the portfolio_id must be 1.	<code>7</code>  <code>[22, 24]</code>
external_ids	External id of the entity/group being queried for. Array of Objects.	<code>[{ "external_type_key": "salesforce", "external_id": "salesforce_external_id" }]</code>

### ► Transaction Columns

## Query Transactions Data

Returns transaction data based on the given query parameters.

**POST** `/v1/transactions/query`

### Example:

REQUEST	REPOSE
---------	--------

POST https://examplefirm.addepar.com/api/v1/transactions/query



```
{
  "data": {
    "type": "transaction_query",
    "attributes": {
      "columns": ["direct_owner", "security", "value", "trade_date"],
      "portfolio_type": "GROUP",
      "portfolio_id": 7,
      "start_date": "2021-02-01",
      "end_date": "2021-03-01",
      "include_online_valuations": false,
      "include_unverified": false,
      "include_deleted": true
    }
  }
}
```

### Response Codes:

- 200 OK : Success
- 400 Bad Request : Improperly formatted query or lacking necessary data permissions
- 403 Forbidden : User lacks API permission or has not granted the appropriate scope

### Optional Parameters:

PARAMETER	DESCRIPTION	EXAMPLE
filters	<p>A transactions query filter may be attached to a transactions query to filter rows from the result. Array of Objects.</p> <p>To learn more, reference the Filter Object section below.</p>	<pre>[{ "operator": "include", "type": "discrete", "values": ["11112222"], "attribute": "security" }]</pre>
sortings	<p>A transactions query sorting may be attached to a transactions query to sort rows. Accepts up to 3 columns to sort by. Array of objects.</p> <p>Default to trade date.</p>	<pre>[{ "attribute": "trade_date", "ascending": false }]</pre>
limit	<p>The max number of transactions returned by the query. Number.</p> <p>Default to null (No limit, returns everything unless request times out.)</p>	500
include_online_valuations	<p>Whether online snapshots should be returned by the query. Boolean.</p> <p>Default to false.</p>	true
include_unverified	<p>Whether unverified transactions should be returned by the query. Boolean.</p> <p>Default to false.</p>	true
include_deleted	<p>Whether deleted online transactions should be returned by the query. Boolean.</p> <p>Default to false.</p>	true

# Filter Object

Filters are used in Transaction Views to filter data. For example, to see only certain transactions, you can filter by start date.

309 | Transactions

madison.addepar.com/app/tools/transaction/entity/8933812

Madison Capital

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Admin - Recon Transactions

Filter

Run

+

Transaction table (33)

EditDownload

TYPE	UNITS CHANGED	VALUE	SECURITY	SUMMARY	TRADE DATE	POSTED DATE
Fee	+0.00	(\$1.00)	Display Name-Test Investment 1	\$1.00 paid from (unk...	11-05-2021	11-05-2021
Fee	+0.00	(\$1.00)	NEW PROPERTY	\$1.00 paid from (unk...	11-05-2021	11-05-2021
Ownership Snapshot	0.10	\$100.00	Smith Holdings	10.00 % of Smith Hol...	10-13-2021	10-13-2021
Cover Short	+1.00	\$0.00	Bank of America	1 share at \$0.00 per ...	09-27-2021	09-27-2021
Ownership Snapshot	1.00	\$1.00	Smith Holdings	100.00 % of Smith H...	09-23-2021	09-23-2021
Distribution	-1.00	\$1.00	Display Name-Test Investment 1	Generic: \$1.00	08-31-2021	08-31-2021
Ownership Snapshot	0.00	\$0.00	Smith Holdings	0.00 % of Smith Hol...	07-07-2021	07-07-2021
Snapshot	0.00	\$67,000.00	Bank Of America 4.00 %		05-27-2021	05-27-2021
Valuation		\$10.00	Display Name-Test Investment 1	\$10.00	05-26-2021	05-26-2021
Snapshot	0.00	\$67,000.00	Bank Of America 4.00 %		05-25-2021	05-25-2021
Valuation	0.00	\$100,000.00	"San Juan Evangelista"	\$100,000.00 , Cost b...	05-25-2021	05-25-2021
Valuation		\$1,092,000.00	Priority Capital	\$1,092,000.00	05-25-2021	05-25-2021
Ownership Snapshot	0.10	\$10.00	Smith Holdings	10.00 % of Smith Hol...	05-25-2021	05-25-2021
Snapshot	100.00	(\$77,000.00)	Cash	100 shares	05-25-2021	05-25-2021
Snapshot	100.00	(\$77,000.00)	Cash	100 shares	05-20-2021	05-20-2021
Snapshot	1.00	\$100.00	Bank of America	1 share at \$100.00 p...	05-17-2021	05-17-2021
Valuation		\$1,091,000.00	Priority Capital	\$1,091,000.00	05-17-2021	05-17-2021

Parameters:

PARAMETERS	DESCRIPTION	EXAMPLE
attribute	<p>The instance of the portfolio query attribute to be filtered on. String.</p> <p>Specifies the operation of the filter. String.</p>	"start_date"
operator	<p>Supported Values:</p> <ul style="list-style-type: none"> <li>- include</li> <li>- exclude</li> </ul> <p>Specifies the type of filter to be applied, which is based on the output type of the attribute. String.</p>	"include"
type	<p>Supported Values:</p> <ul style="list-style-type: none"> <li>- DISCRETE</li> <li>- NUMBER</li> <li>- DATE</li> <li>- STRING</li> </ul>	"discrete"
values (plural)	<p>Required for type <code>DISCRETE</code> : <code>values</code> , a list of String values to match against, case-sensitive.</p> <p>Query transactions by comments or descriptions.</p>	<p>["Transaction ID", "Entity ID"]</p> <p>"stock Apple"</p>
value (singular)	<p>Required for type <code>STRING</code> : A single string with space separated tokens to match against is required.</p>	This will match any comment or description containing the word stock or Apple.
date	<p>Required for type <code>DATE</code> :  <code>period</code> , instance of <code>date_filter_period</code>. Array of objects.</p> <p>For more information on date filter, see below.</p>	<pre>{   "type": "static_time_period",   "start": "2021-01-01",   "end": "2021-12-30" }</pre>
number	<p>Required for type <code>NUMBER</code> :  <code>start</code> , numeric value denoting the starting point.  <code>end</code> , numeric value denoting the ending point.</p>	1, 30.5

#### Example:

REQUEST	RESPONSE
---------	----------

POST https://examplefirm.addepar.com/api/v1/transactions/query




```
{
  "data": {
    "type": "transaction_query",
    "attributes": {
      "columns": ["direct_owner", "value", "trade_date"],
      "filters": [
        {
          "operator": "include",
          "type": "discrete",
          "values": ["Buy",
                    "Sell"],
          "attribute": "direct_owner"
        }
      ],
      "portfolio_type": "firm",
      "portfolio_id": [1],
      "start_date": "2021-09-05",
      "end_date": "2021-10-05",
      "include_online_valuations": false,
      "include_unverified": false,
      "include_deleted": true
    }
  }
}
```

## Date Filters

To filter by dates, create a period object, then identify the type of date filter and use any required formatting.

PARAMETERS	DETAILS	EXAMPLE
	Specifies the type of date filter to be applied. String.	
type	Supported values: <ul style="list-style-type: none"><li>- current_time_period</li><li>- inception_to_start_date_time_period</li><li>- relative_time_period</li><li>- since_inception_time_period</li><li>- static_time_period</li><li>- trailing_time_period</li><li>- custom_time_period</li></ul>	"current_time_period"
start	Required for static_time_period . String. "YYYY-MM-DD"	"2021-01-01"
end	Required for static_time_period . String. "YYYY-MM-DD"	"2021-12-30"
period	Required for relative_time_period and trailing_time_period . String.  P1D, P2K, P1Q , etc. D = Days K = weekdays W = Weeks M = Months Q = Quarters Y = Years	"P3K"

Static Time Period Example

REQUEST	RESPONSE
POST https://examplefirm.addepar.com/api/v1/transactions/query	<div></div> <pre>{   "data": {     "type": "transaction_query",     "attributes": {       "columns": ["direct_owner", "security", "value", "trade_date"],       "filters": [         {           "attribute": "trade_date",           "operator": "include",           "type": "date",           "period": {             "type": "static_time_period",             "start": "2020-01-02",             "end": "2020-01-03"           }         }       ]     },     "portfolio_type": "entity",     "portfolio_id": [206],     "start_date": "2019-12-01",     "end_date": "2019-12-31",     "include_online_valuations": false,     "include_unverified": false,     "include_deleted": true   } }</pre>

Trailing Time Period Example

REQUEST	RESPONSE
---------	----------

POST https://examplefirm.addepar.com/api/v1/transactions/query



```
{
  "data": {
    "type": "transaction_query",
    "attributes": {
      "columns": ["direct_owner", "security", "value", "trade_date"],
      "filters": [
        {
          "attribute": "trade_date",
          "operator": "include",
          "type": "date",
          "period": {
            "type": "trailing_time_period",
            "period": "P2K"
          }
        }
      ],
      "portfolio_type": "entity",
      "portfolio_id": [206],
      "start_date": "2019-12-01",
      "end_date": "2019-12-31",
      "include_online_valuations": false,
      "include_unverified": false,
      "include_deleted": true
    }
  }
}
```

## Sorting

To narrow your response you can use sortings.

ATTRIBUTE	DESCRIPTION	EXAMPLE
sortings	<p>A transactions query sorting may be attached to a transactions query to sort rows. Accepts up to sorting 3 columns, and the order of the columns determines their priority in the request. Array of objects.</p> <p>Default to trade date.</p>	<pre>[{ "attribute": "trade_date", "ascending": false, }]</pre>

### Example:

In this example, the request is first sorted by the newest trade date, then securities in alphabetical order.

REQUEST    RESPONSE



POST https://examplefirm.addepar.com/api/v1/transactions/query



```
{
  "data":{
    "type":"transaction_query",
    "attributes":{
      "columns":["direct_owner", "security","trade_date", "id" ],
      "sorting":[
        {
          "attribute":"trade_date",
          "ascending":false
        },
        {
          "attribute":"security",
          "ascending":true
        }
      ],
      "portfolio_type":"GROUP",
      "portfolio_id":7,
      "start_date":"2021-06-30",
      "end_date":"2021-09-30",
      "include_online_valuations":true,
      "include_unverified":false,
      "include_deleted":true,
    }
  }
}
```



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